

Substitute for form 1449B/P/O  
(Revised 10/2001)

**Complete if Known**










**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1

Application Number 10/053,940  
Filing Date January 22, 2002  
First Named Inventor Yi Sun et al.  
Group Art Unit 2871  
Examiner Name To be assigned  
Attorney Docket Number 38470/241807

**OTHER DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	1 ✓	G. WILLIAMS, N.J. POWELL, A. PURVIS, M.G. CLARK; <i>Electrically controllable liquid crystal Fresnel lens</i> ; <i>Current Developments in Optical Engineering and Commercial Optics</i> ; 1989; pages 352 – 357; Vol. 1168; SPIE Proceedings; Bellingham, Washington.	
	2 ✓	N.A. RIZA, MICHAEL C. DEJULE; <i>Three-terminal adaptive nematic liquid crystal lens device</i> ; <i>Optics Letters</i> ; 1994; pp. 1013-1015; Vol. 19, No. 14; Optical Society of America; Washington, DC.	
	3 ✓	Y. TAKAKI; <i>Electro-optical implementation of learning architecture to control point spread function of liquid crystal active lens</i> ; <i>Optical Implementation of Information Processing</i> ; 1995; pages 205 – 214; Vol. 2565; SPIE Proceedings; Bellingham, Washington.	
	4 ✓	Y. TAKAKI, H. OHZU; <i>Liquid crystal active lens: a reconfigurable lens employing a phase modulator</i> ; <i>Optics Communications</i> ; 1996; pages 123 – 134; Vol. 126; Elsevier Science BV.	
	5 ✓	S. MASUDA, S. TAKAHASHI, T. NOSE, S. SATO, H. ITO; <i>Liquid-crystal microlens with a beam-steering function</i> ; <i>Applied Optics</i> ; 1997; pages 4772 – 4778; Vol. 36, No. 20; Optical Society of America; Washington, DC.	
	6 ✓	WING W. CHAN, STEPHEN T. KOWEL; <i>Imaging performance of liquid-crystal adaptive lens with conductive ladder meshing</i> ; <i>Applied Optics</i> ; 1997; pages 8958 – 8969; Vol. 36, No. 34; Optical Society of America; Washington, DC.	
	7 ✓	F. NAUMOV, M.Y. LOKTEV, I.R. GURALNIK, G. VDOVIN; <i>Liquid crystal adaptive lenses with mordal control</i> ; <i>Optics Letters</i> ; 1998; pages 992 – 994; Vol. 23, No. 13; Optical Society of America; Washington, DC.	
	8 ✓	YI SUN, STEPHEN T. KOWEL, GREGORY P. NORDIN; <i>Circular geometry Liquid Crystal Adaptive Lens with Fresnel lens phase profile</i> ; <i>Liquid Crystal Materials, Devices, and Flat Panel Displays</i> ; 2000; pages 120 – 131; Vol. 3955; SPIE Proceedings; Bellingham, Washington.	
	9 ✓	YI SUN, <i>Liquid Crystal Adaptive Lens with Circular Electrodes</i> ; PH.D. Dissertation; 2002; 178 pages; University of Alabama in Huntsville.	

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Examiner Signature		Date Considered	6/30/03
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.